

PRODUCTION OF ALPHA-OLEFIN OLIGOMER

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Abstract of JP7149671

PURPOSE:To obtain a process for the production of an alpha-olefin oligomer on an industrial scale at a low cost and improved especially to enable the easy separation of by-product polymers.

CONSTITUTION:An a-olefin is oligomerized in the presence of a chromiumbased catalyst in a solvent to obtain a reaction liquid containing by-produced granular polymers. The obtained reaction liquid is supplied to a solid-liquid separator having a structure to separate the solid component by centrifugal separation while discharging the separated solid component from the system by a rotary screw. The by-produced granular polymers in the reaction liquid can be separated by this process.

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